

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR03/01891

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A01C 1/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 A01C 1/06, A01C 1/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Korean Patents and applications for invention since 1975
 Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 KIPASS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 1999-0004227 U (CEO, WON YOUNG) 25 JANUARY 1999 See claims 1-5	1-5
A	US 6,088,957 A (Massoud Kazemzadeh) 18 JULY 2000 See claims 1-2, See page 2, fig.1	1-5
A	KR 1995-0001845 B1 (LEE, DUK HUN) 04 MARCH 1995 See page 1, line 33-37, See page 2, line 1-7.	1-5
A	JP 13-190107 A (SUMIKA AGROTECH CO LTD) 17 JULY 2001 See abstract	1-5
A	JP 10-225207 A (TAKI SUBO CO LTD) 25 AUGUST 1998 See page 4, line 33-35	1-5

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search 24 DECEMBER 2003 (24.12.2003)	Date of mailing of the international search report 24 DECEMBER 2003 (24.12.2003)
Name and mailing address of the ISA/KR Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer HWANG, Dong Yul Telephone No. 82-42-481-5635



INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR03/01891

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 08-070628 A (SUMITOMO CHEM CO LTD) 19 MARCH 1996 See page 3, example	1-5
A	US 6,058,649 A (Shabtai Bittman) 9 MAY 2000 See the whole document	1-5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR03/01891

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 1999-0004227 U	25-01-1999	none	
US 6,088,957 A	18-07-2000	none	
KR 1995-0001845 B1	04-03-1995	none	
JP 13-190107 A	17-07-2001	none	
JP 10-225207 A	25-08-1998	none	
JP 08-070628 A	19-03-1996	none	
US 6,058,649 A	09-05-2000	none	